

SRI LANKA STANDARD 272 : PART 1 : 1988

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SPECIFICATION FOR
ELASTIC NARROW FABRICS

PART 1 - ELASTIC FLAT BRAIDS
(FIRST REVISION)

SRI LANKA STANDARDS INSTITUTION

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SLS 272 : 1988

Gr. 8

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FOREWORD

This Sri Lanka Standard was authorized for adoption and publication by the Council of the Sri Lanka Standards Institution on 1988-10-04, after the draft, finalized by the Drafting Committee on Elastic Fabrics, had been approved by the Textiles Divisional Committee.

This is the first revision of SLS 272 : 1974 Elastic braids and webbing. In this revision, the standard has been split into several parts under the common title of "Elastic Narrow Fabrics". This part covers elastic flat braids.

In this revision, the values for relative density of the rubber threads and non-fibrous material of the braid have been amended. The requirement for mineral matter content has been deleted as it is not an important characteristic when relative density is specified. The requirement for colour fastness to bleaching has also been deleted. A method for determining the susceptibility to ageing of the elastic flat braids has been introduced in place of testing the original rubber threads. Further, the sampling clause has been modified and the criteria for conformity to standard has been included.

Several types of elastic flat braids with different constructions are available. Therefore, this revision is mainly based on performance requirements. As such, the requirement for mass per unit length has been deleted. Few commonly used constructional details are given in Appendix E as a guidance to the manufacturers.

Clauses 4.2.2, 4.2.4 and 5 of this part call for agreement between the purchaser and the supplier.

All values in this specification are given in SI units.

For the purpose of deciding whether a particular requirement of this specification is complied with, the final value, observed or calculated, expressing the result of a test or an analysis, shall be rounded off in accordance with CS 102. The number of significant places retained in the rounded off value shall be the same as that of the specified value in this specification.

In the preparation of this specification, the assistance derived from the publications of the British Standards Institution, the South African Bureau of Standards and the Textile Institute, Manchester, United Kingdom is gratefully acknowledged.

1 SCOPE

1.1 This part prescribes the requirements and methods of sampling and test for elastic flat braids manufactured from cotton, rayon or synthetic textile yarns and containing natural rubber as the elastomeric threads.

1.2 It does not cover elastic flat braids intended for mechanical purposes.

2 REFERENCES

- CS 16 Standard atmosphere for conditioning and testing textiles.
- CS 52 Determination of colour fastness of textile materials to washing at 40 °C.
- CS 62 Determination of colour fastness of textile materials to daylight.
- CS 67 Determination of colour fastness of textile materials to perspiration.
- CS 87 Determination of scouring loss in grey and finished cotton textile materials.
- CS 102 Presentation of numerical values.
- SLS 428 Random sampling methods.

3 DEFINITION

For the purpose of this part the following definition shall apply:

braid : A product made by interlacing three or more threads in such a way that they cross one another and are laid together in diagonal formation.

NOTE

Flat, tubular or solid constructions may be formed in this way.

4 REQUIREMENTS

4.1 General requirements

4.1.1 The elastomeric threads used to manufacture elastic flat braids shall be made from suitably compounded and vulcanized natural rubber. The relative density of the rubber threads shall be not greater than 1.05. The cross-sectional shape of the rubber threads shall be either round or square.

4.1.2 Materials which are deleterious to the rubber threads or to the yarns used shall not be present in the finished elastic flat braids.